

0200

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/583,200

DATE: 06/08/2000
TIME: 14:34:38

Input Set : A:\-157-2.app
Output Set: N:\CRF3\06082000\I583200.raw

ENTERED

PS

4 <110> APPLICANT: Fikes, John D.
5 Sette, Alessandro
6 Sidney, John
7 Southwood, Scott
8 Celis, Esteban
9 Keogh, Elissa A.
10 Chesnut, Robert
11 Epimmune Inc.
13 <120> TITLE OF INVENTION: HLA Class I A2 Tumor Associated Antigen
14 Peptides and Vaccine Compositions
17 <130> FILE REFERENCE: 018623-015720US
C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/583,200
C--> 20 <141> CURRENT FILING DATE: 2000-05-30
22 <150> PRIOR APPLICATION NUMBER: US 09/016,361
23 <151> PRIOR FILING DATE: 1998-01-30
25 <150> PRIOR APPLICATION NUMBER: US 60/036,696
26 <151> PRIOR FILING DATE: 1998-01-31
28 <160> NUMBER OF SEQ ID NOS: 57
30 <170> SOFTWARE: FastSEQ for Windows Version 3.0
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34 <212> TYPE: PRT
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: CEA.233V10
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41 Val Leu Tyr Gly Pro Asp Ala Pro Thr Val
42 1 5 10
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 9
46 <212> TYPE: PRT
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: CEA.605V9
52 <400> SEQUENCE: 2
53 Tyr Leu Ser Gly Ala Asn Leu Asn Val
54 1 5
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 9
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: CEA.687
64 <400> SEQUENCE: 3
65 Ala Thr Val Gly Ile Met Ile Gly Val
66 1 5
68 <210> SEQ ID NO: 4

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70 <212> TYPE: PRT
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: p53.25V11
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77 Leu Leu Pro Glu Asn Asn Val Leu Ser Pro Val
78   1               5               10
80 <210> SEQ ID NO: 5
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82 <212> TYPE: PRT
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: p53.139L2
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89 Lys Leu Cys Pro Val Gln Leu Trp Val
90   1               5
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 9
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: p53.139L2B3
100 <400> SEQUENCE: 6
101 Lys Leu Asx Pro Val Gln Leu Trp Val
102   1               5
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 9
106 <212> TYPE: PRT
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: p53.149L2
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113 Ser Leu Pro Pro Gly Thr Arg Val
114   1               5
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 9
118 <212> TYPE: PRT
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: p53.149M2
124 <400> SEQUENCE: 8
125 Ser Met Pro Pro Gly Thr Arg Val
126   1               5
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129 <211> LENGTH: 9
130 <212> TYPE: PRT
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133 <220> FEATURE:

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134 <223> OTHER INFORMATION: Her2/neu.369L2V9
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137   Lys Leu Phe Gly Ser Leu Ala Phe Val
138     1             5
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141 <211> LENGTH: 9
142 <212> TYPE: PRT
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Her2/neu.369V2V9
148 <400> SEQUENCE: 10
149   Lys Val Phe Gly Ser Leu Ala Phe Val
150     1             5
152 <210> SEQ ID NO: 11
153 <211> LENGTH: 10
154 <212> TYPE: PRT
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Her2/neu.773
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161   Val Met Ala Gly Val Gly Ser Pro Tyr Val
162     1             5             10
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165 <211> LENGTH: 9
166 <212> TYPE: PRT
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Her2/neu.5
172 <400> SEQUENCE: 12
173   Ala Leu Cys Arg Trp Gly Leu Leu Leu
174     1             5
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 9
178 <212> TYPE: PRT
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182 <223> OTHER INFORMATION: MAGE3.271
184 <400> SEQUENCE: 13
185   Phe Leu Trp Gly Pro Arg Ala Leu Val
186     1             5
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189 <211> LENGTH: 9
190 <212> TYPE: PRT
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194 <223> OTHER INFORMATION: Her2/neu.48
196 <400> SEQUENCE: 14
197   His Leu Tyr Gln Gly Cys Gln Val Val
198     1             5

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Input Set : A:\-157-2.app
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200 <210> SEQ ID NO: 15
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202 <212> TYPE: PRT
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205 <220> FEATURE:
206 <223> OTHER INFORMATION: Her2/neu.435
208 <400> SEQUENCE: 15
209 Ile Leu His Asn Gly Ala Tyr Ser Leu
210 1 5
212 <210> SEQ ID NO: 16
213 <211> LENGTH: 9
214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: CEA.691
220 <400> SEQUENCE: 16
221 Ile Met Ile Gly Val Leu Val Gly Val
222 1 5
224 <210> SEQ ID NO: 17
225 <211> LENGTH: 9
226 <212> TYPE: PRT
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Her2/neu.369
232 <400> SEQUENCE: 17
233 Lys Ile Phe Gly Ser Leu Ala Phe Leu
234 1 5
236 <210> SEQ ID NO: 18
237 <211> LENGTH: 9
238 <212> TYPE: PRT
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: MAGE3.112
244 <400> SEQUENCE: 18
245 Lys Val Ala Glu Leu Val His Phe Leu
246 1 5
248 <210> SEQ ID NO: 19
249 <211> LENGTH: 9
250 <212> TYPE: PRT
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: CEA.24V9
256 <400> SEQUENCE: 19
257 Leu Leu Thr Phe Trp Asn Pro Pro Val
258 1 5
260 <210> SEQ ID NO: 20
261 <211> LENGTH: 10
262 <212> TYPE: PRT
263 <213> ORGANISM: Artificial Sequence

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Input Set : A:\-157-2.app
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265 <220> FEATURE:
266 <223> OTHER INFORMATION: MAGE3.160
268 <400> SEQUENCE: 20
269 Leu Val Phe Gly Ile Glu Leu Met Glu Val
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272 <210> SEQ ID NO: 21
273 <211> LENGTH: 11
274 <212> TYPE: PRT
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: MAGE3.159
280 <400> SEQUENCE: 21
281 Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val
282   1           5           10
284 <210> SEQ ID NO: 22
285 <211> LENGTH: 9
286 <212> TYPE: PRT
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Her2/neu.689
292 <400> SEQUENCE: 22
293 Arg Leu Leu Gln Glu Thr Glu Leu Val
294   1           5
296 <210> SEQ ID NO: 23
297 <211> LENGTH: 9
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Her2/neu.665
304 <400> SEQUENCE: 23
305 Val Val Leu Gly Val Val Phe Gly Ile
306   1           5
308 <210> SEQ ID NO: 24
309 <211> LENGTH: 10
310 <212> TYPE: PRT
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: MAGE2.157
316 <400> SEQUENCE: 24
317 Tyr Leu Gln Leu Val Phe Gly Ile Glu Val
318   1           5           10
320 <210> SEQ ID NO: 25
321 <211> LENGTH: 10
322 <212> TYPE: PRT
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: Her2/neu.952
328 <400> SEQUENCE: 25
329 Tyr Met Ile Met Val Lys Cys Trp Met Ile

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 06/08/2000

PATENT APPLICATION: US/09/583,200

TIME: 14:34:39

Input Set : A:\-157-2.app

Output Set: N:\CRF3\06082000\I583200.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application Number
L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40